

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-337298

(43)Date of publication of application : 07.12.2001

(51)Int. Cl. G02C 7/04
A61L 27/00
C08F 2/00
C08F 2/38
C08F 2/48
C08F 20/10
C08F 20/34
C08F275/00
C08J 7/00
C08J 7/18

(21)Application number : 2001-074381

(71)Applicant : MENICON CO LTD

(22)Date of filing : 15.03.2001

(72)Inventor : WATANABE TAKESHI

(30)Priority

Priority number : 2000078322 Priority date : 21.03.2000 Priority country : JP

(54) OCULAR LENS MATERIAL HAVING HYDROPHILIC SURFACE AND METHOD FOR MANUFACTURING THE SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method which is capable of easily manufacturing an ocular lens material which has high oxygen permeability and is excellent in surface water wettability, surface lubricity, water retaining property, stain resistance and biocompatibility as well.

SOLUTION: The method for manufacturing the ocular lens material having the hydrophilic surface has a process step (1) of irradiating the surface of the ocular lens material with high-frequency plasma or excimer light, a process (2) for bringing a hydrophilic monomer solution mixture containing at least one zwitter ionic group-containing compound into contact with the surface of the ocular lens material subjected to the process step (1) and a process (3) of forming the surface layer by irradiating the surface of the ocular lens material in the state of bringing the hydrophilic monomer solution mixture in the process (2) into contact therewith with UV having wavelength of 250 to 500 nm to graft polymerize the zwitter ionic group-containing compound to the surface of the ocular lens material, and the ocular lens material having the hydrophilic surface manufactured by this method is provided.